

# HUGHES MACHINERY TECHNICAL TRAINING

## STEAM BASICS

Earn 6.5 Professional  
Development Hours

### 2026 Class Schedule

#### STEAM BASICS

Jan 14  
Feb 11  
March 11  
April 8  
May 13  
June 10  
July 8  
Aug 12  
Sept 9  
Oct 14  
Nov 11

#### ADVANCED STEAM TOPICS

Feb 18  
May 20  
Aug 19  
Nov 18

Training Facility  
location:

Hughes Machinery  
8055 Bond,  
Lenexa, KS 66214  
913-492-0355

[www.hughesmachinery.com](http://www.hughesmachinery.com)



- **What is Steam?** Explain everyday uses and benefits of this extraordinary energy source.
- **Steam Tables** - Temperature, latent heat, sensible heat and specific volume and how they relate with varying pressures
- **Types of Traps** - Inverted bucket, float and thermostatic, thermostatic, thermodynamic (disc), bimetallic, free float and others. Discussion on trap operation, serviceability, benefits and potential problems with each type. Live demonstrations with glass

- **Sizing and System Layout** -

Learn trap sizing, steam and condensate line sizing, proper pitch for steam/condensate and general piping practices. Our “live” steam boards with glass piping will offer a “hands on” approach.

- **Testing and Auditing** -

Our steam trap test board allows for “live” testing. Learn proper techniques for troubleshooting testing and maintaining steam traps, steam and condensate lines. Discussion and payback analysis for steam trap audits and regularly scheduled surveys.

